

Algebra: Chapter 6
Quiz Review

Name _____

Sketch the graph of each inequality.

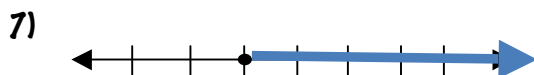
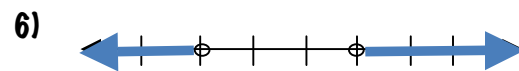
1) $x \leq 3$

2) $x > -5$

3) $-2 < x < 3$

4) $x < -4$ or $x > -1$

Write the inequality illustrated by each graph shown.



Solve each inequality.

9) $2x + 3 \leq 11$

10) $-5x - 3 > 12$

11) $4 - \frac{1}{2}x < 6$

12) $3x + 4 \geq 2(x + 3)$

Solve and graph each inequality.

13) $6 < 2(3 - 2x) \leq 20$

14) $-2x + 3 < -5$ or $3x + 2 < 5$

15) Graph the solution to "x is less than 6 and greater than or equal to 2".

Solve.

16) $|x - 5| = 21$

17) $|2x - 3| + 7 = 22$

18) $4 + |x - 6| = 8$

19) $|2x + 4| < 9$

20) $|4 - \frac{1}{2}x| \geq 12$